

## Unit 4 Lesson 1A

Name: \_\_\_\_\_

## Classwork / Homework

Required: EvensOptional extra practice:  
Odds

In Exercises 13–20, convert each angle in degrees to radians.  
Express your answer as a multiple of  $\pi$ .

13.  $45^\circ$

14.  $18^\circ$

15.  $135^\circ$

16.  $150^\circ$

17.  $300^\circ$

18.  $330^\circ$

19.  $-225^\circ$

20.  $-270^\circ$

In Exercises 21–28, convert each angle in radians to degrees.

21.  $\frac{\pi}{2}$

22.  $\frac{\pi}{9}$

23.  $\frac{2\pi}{3}$

24.  $\frac{3\pi}{4}$

25.  $\frac{7\pi}{6}$

26.  $\frac{11\pi}{6}$

27.  $-3\pi$

28.  $-4\pi$

In Exercises 29–34, convert each angle in degrees to radians.  
Round to two decimal places.

29.  $18^\circ$

30.  $76^\circ$

31.  $-40^\circ$

32.  $-50^\circ$

33.  $200^\circ$

34.  $250^\circ$

In Exercises 35–40, convert each angle in radians to degrees.  
Round to two decimal places.

35. 2 radians

36. 3 radians

37.  $\frac{\pi}{13}$  radians

38.  $\frac{\pi}{17}$  radians

39.  $-4.8$  radians

40.  $-5.2$  radians